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Amendment Filed: HEREWITH

IN THE CLAIMS

Please amend the claims to read as follows:

- --1. (Twice Amended) A method of forming a layer of metal on a substrate, comprising:
- i) depositing a seed layer of the metal on a first substrate surface which is Ti, said seed layer being sufficient to cover said first substrate surface which is Ti at a substrate temperature of from 220 to 300°C;
- ii) depositing a second amount of metal on said seed layer at a substrate temperature and power that are sufficient to (i) inhibit formation of filamentous metal phases having a resistivity greater than that of said metal, and (ii) provide a metal diffusion rate and a metal deposition rate sufficient to inhibit void formation in an opening having an aspect ratio of at least 2.0; and
 - iii) depositing a third amount of metal on said second amount of metal.
- 22. (Amended) A method of forming a layer of aluminum-containing metal on a substrate, comprising:
- i) depositing a first amount of a metal comprising aluminum on a seed layer of the metal, said seed layer [bing] being sufficient to cover a substrate surface comprising titanium, at a substrate power sufficient to inhibit formation of a phase of TiAl₃ having a resistivity

greater than that of said metal said seed layer of metal being deposited at a substrate temperature of from 220 to 300°C; and

- ii) depositing a second amount of metal on said first amount of metal.
- 24. (Amended) A method of forming a layer of aluminum-containing metal on a substrate, comprising:
- i) depositing a first amount of a metal comprising aluminum on a seed layer of the metal, said seed layer being sufficient to cover a substrate surface, at a substrate power sufficient to inhibit formation of a phase containing said metal having a resistivity greater than that of said metal and at a metal diffusion rate and a metal deposition rate sufficient to inhibit void formation in an opening having an aspect ratio of [ate] at least 2.0 said seed layer of metal being deposited at a substrate temperature of from 220 to 300°C; and
 - ii) depositing a second amount of said metal on said first amount of metal.--